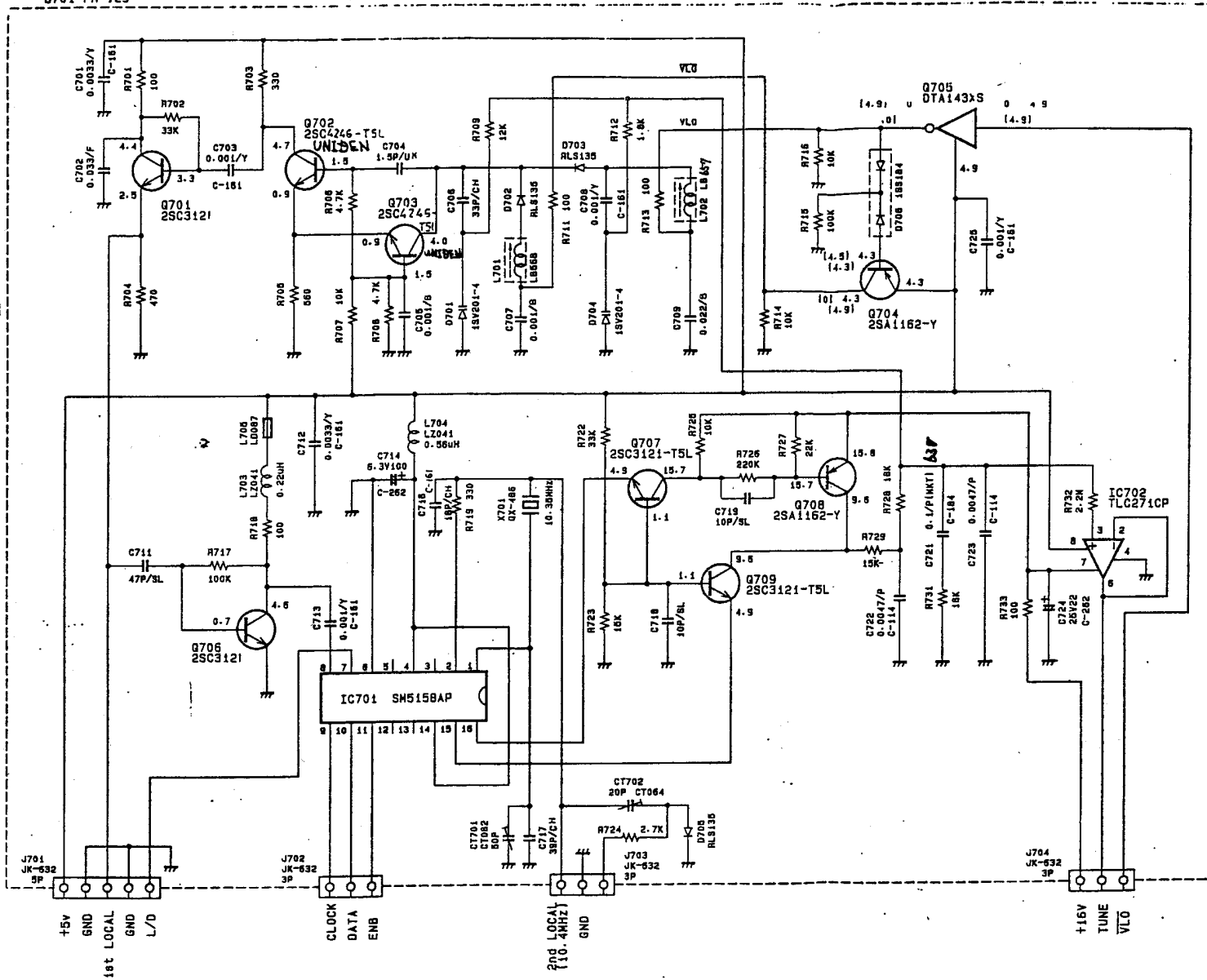


8701 PH-129

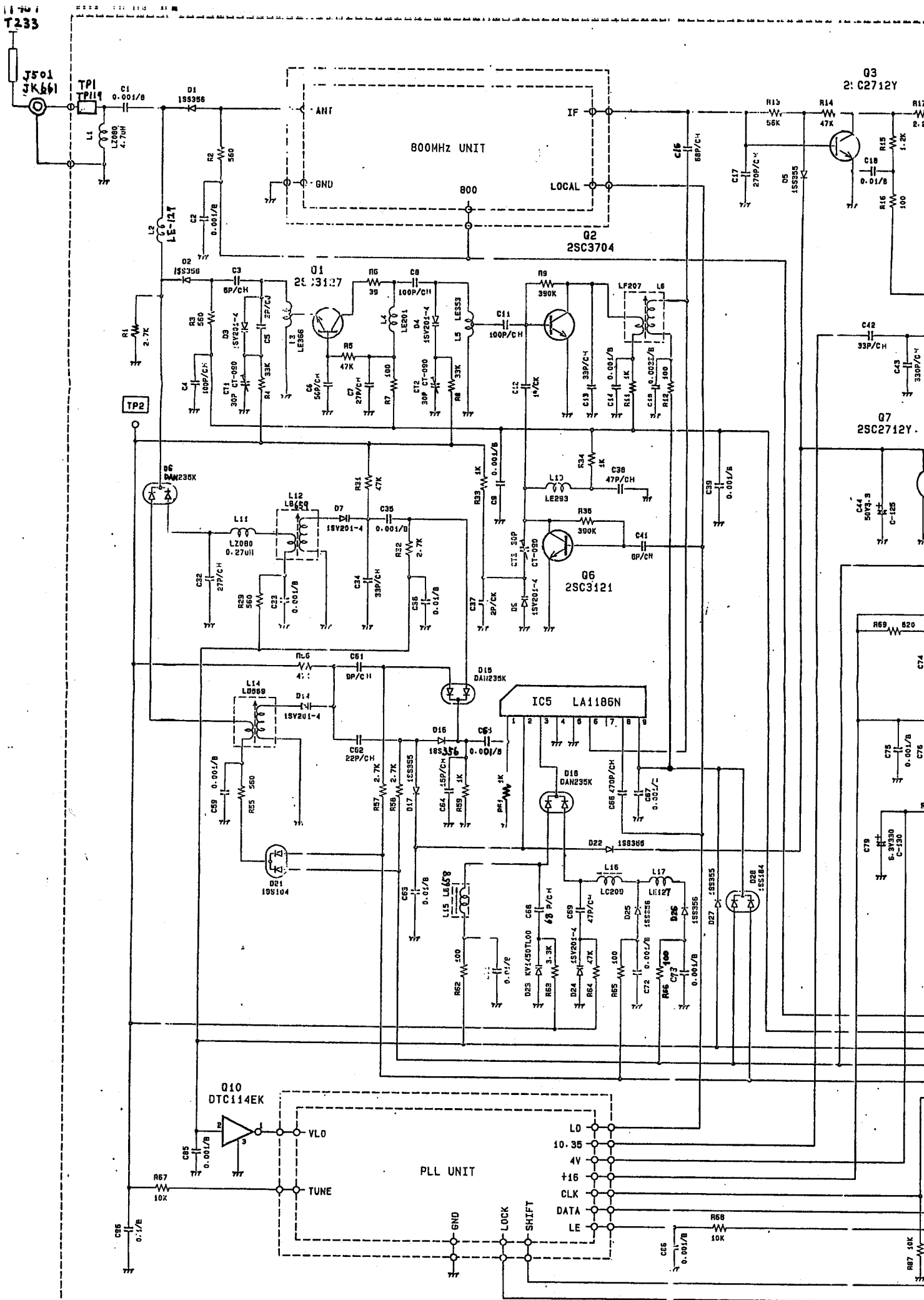


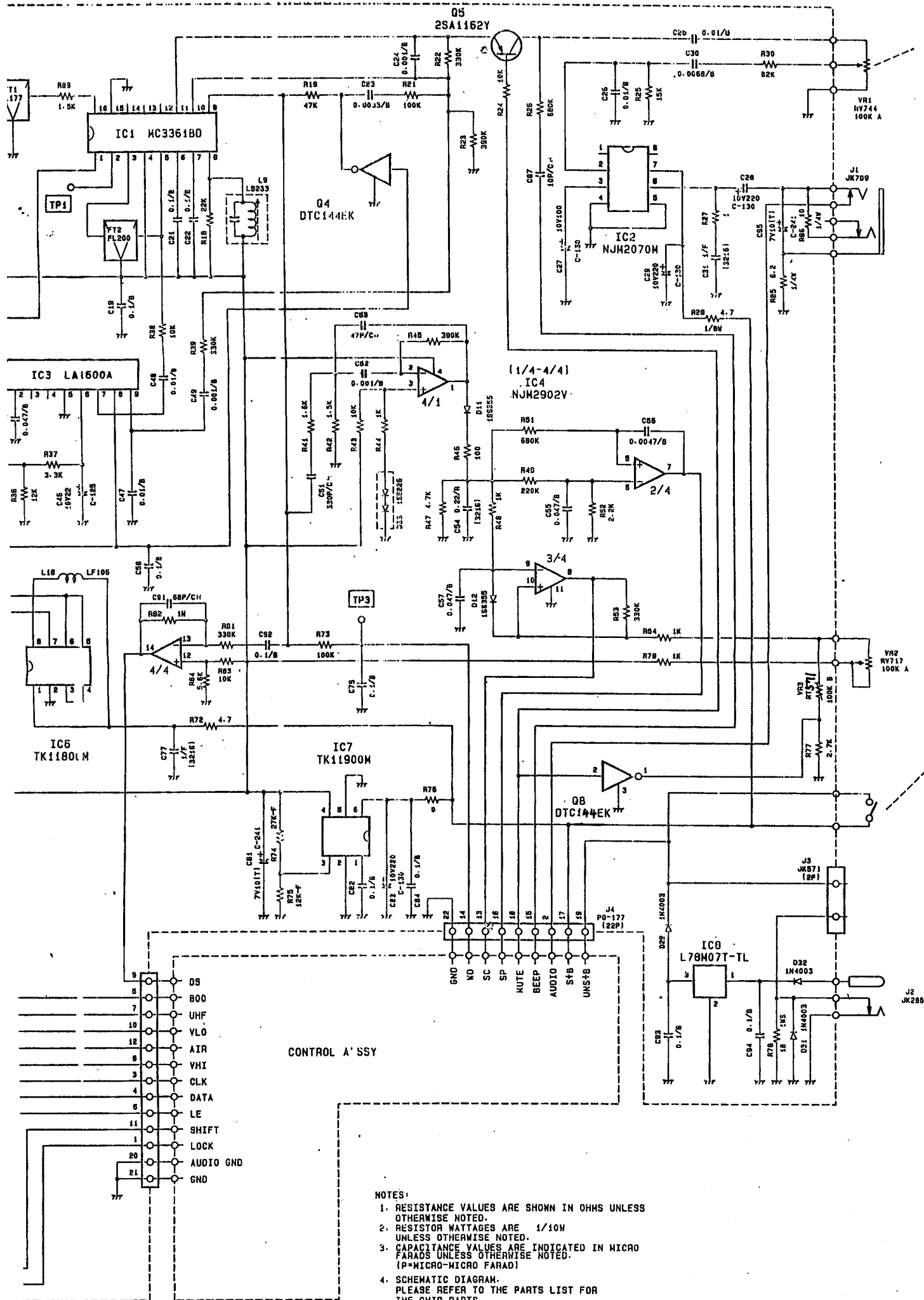
## NOTES:

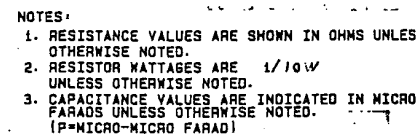
1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED. (K=KILO OHM, M=MEG OHM)
2. RESISTOR MATTAGES ARE 1/10W UNLESS OTHERWISE NOTED.
3. CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS UNLESS OTHERWISE NOTED. (P=MICRO-MICRO FARAD)
4. CHIP PARTS ARE NOT SPECIFIED IN THIS SCHEMATIC DIAGRAM PLEASE REFER TO THE PARTS LIST FOR THE CHIP PARTS.
5. VOLTAGE IN ( ) SHOWS UHF BAND CONDITION.
6. VOLTAGE IN [ ] SHOWS VHF LOW BAND CONDITION.
7. VOLTAGE IN NO MARK SHOWS VHF HIGH BAND CONDITION.

DESIGN	DRAWN BY	UNIDEN NO.	MODEL NO.
97.8.21	97.8.21	UB-238C.8	AE 105H
CHECK BY	APPRO. BY	TITLE PLL PCB SCHEMATIC DIAGRAM	
97.8.21	97.8.21	DRAWING NO. E13-5269	
REV. NO.		UNIDEN CORP.	

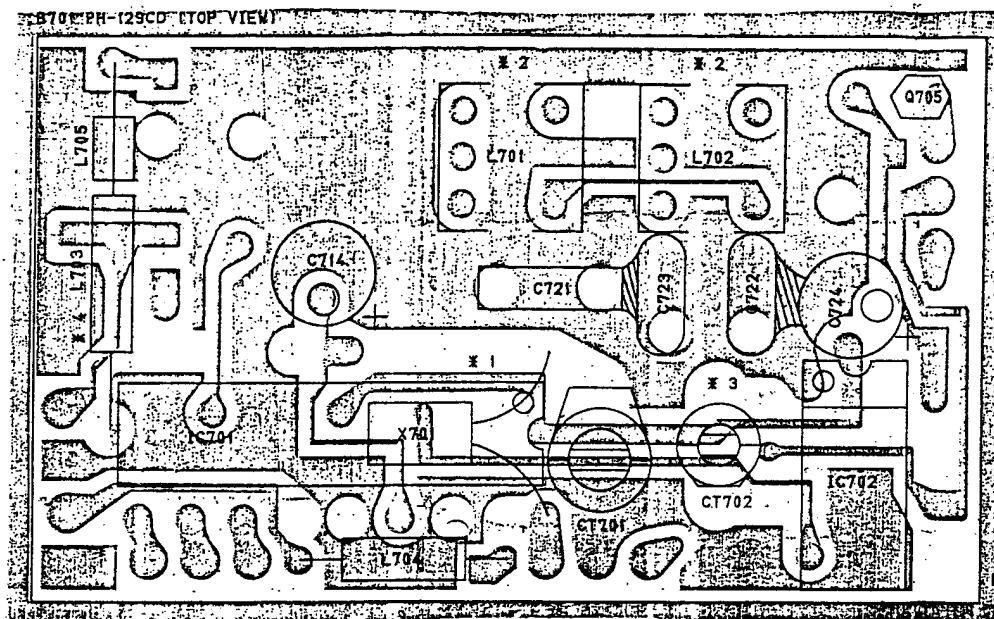
T233



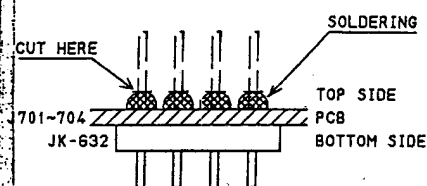




DESIGN	DRAWN BY	UNIDEN NO.	MODEL NO.
77.8.21	77.8.21	UB-238C-D	AE105H
T. Akizawa		TITLE MICOM PCB	
CHECK BY	APPRO. BY	SCHEMATIC DIAGRAM	
Aug 27 '77	Aug 27 '77	DRAWING NO.	
S. Akizawa		E13-5268	
REV.		REVISION	

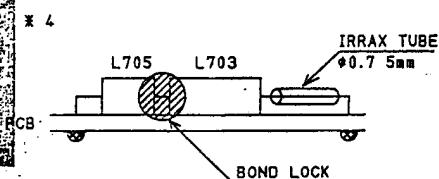


● BOND LOCK



NOTE:

- NO NEED TO CUT IF USING JK-632
- NEED TO CUT IF USING JK-039 (SUBSTITUTE)

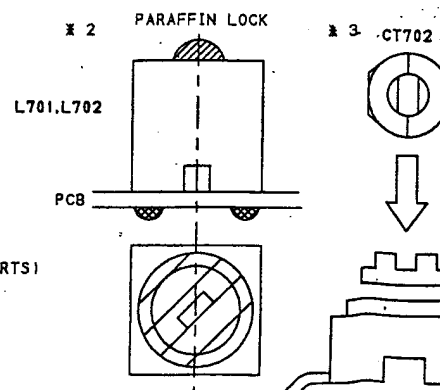
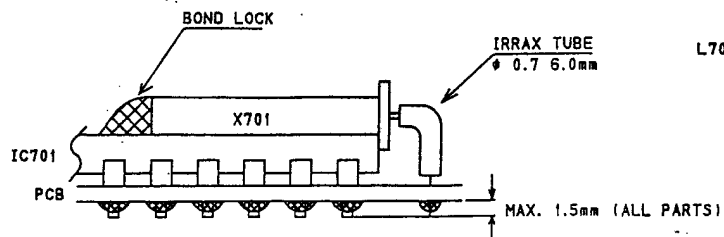


C714	6.3V100	C-262
C721	0.1/P10KTI	C-184
C722	0.0047/P	C-114
C723	0.0047/P	C-114
C724	25V22	C-262

CT701	CT-082	50pF
CT702	CT-064	20pF

L701	LB-568
L702	LB-657
L703	LZ-041 0.22uH
L704	LZ-041 0.56uH
L705	LD-087

X701	QX-486
	10.35MHZ
IC701	SM5158AP
IC702	TLC271CP
Q705	DTA143XS

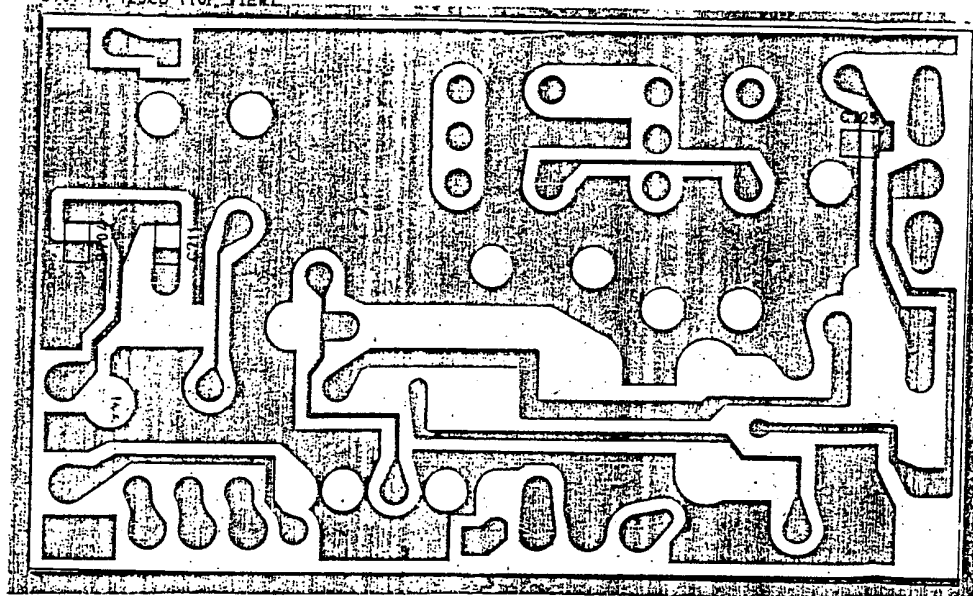


NOTE:

- CAPACITANCE VALUES ARE INDICATED IN MICROFARADS UNLESS OTHERWISE NOTED.  
(P=MICRO-MICRO FARAD)

DESIGN	DRAWN BY	UNIDEN NO.	MODEL NO.
77.8.4	77.8.21	UB-238C, D	AE105H
CHECK BY	APPRO. BY	TITLE	PLL PCB
		PARTS ASS'Y TOP VIEW	
		DRAWING NO.	E23-14955
REV. NO.			UNIDEN PHILS. INC.

8701 PH-129CD (TOP VIEW)

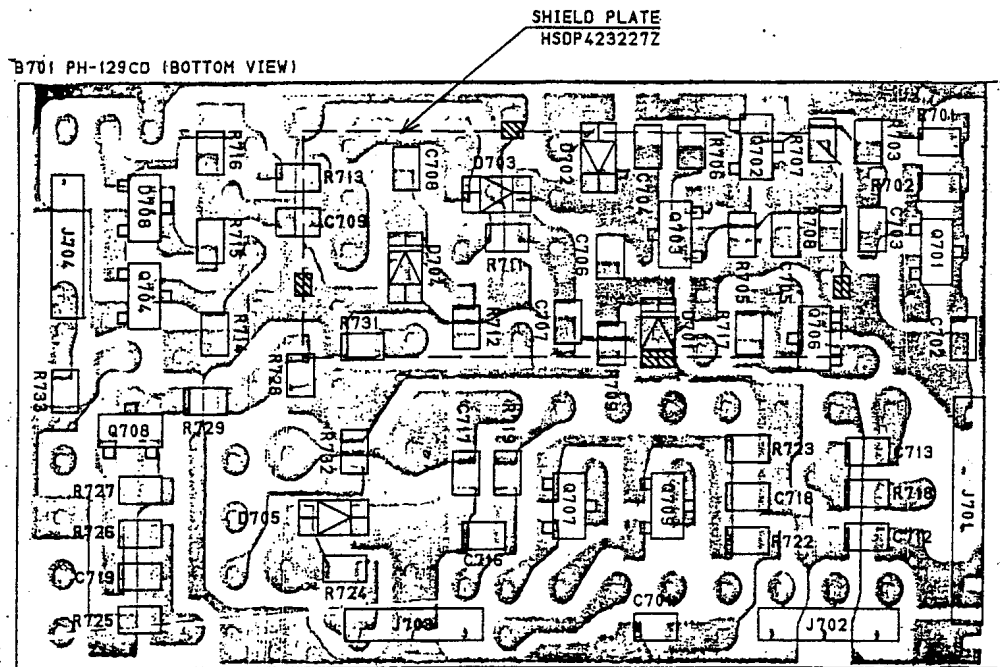


C711	47P/SL
C725	0.001/YC-161
R704	470

NOTES:

1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED. (K-KILO OHM, M-MEG OHM)
2. RESISTOR WATTAGES ARE 1/10W UNLESS OTHERWISE NOTED.
3. CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS UNLESS OTHERWISE NOTED. (P=MICRO-MICRO FARAD)

DESIGN	DRAWN BY	UNIDEN NO.	MODEL NO.
77.8.21	77.8.21	UB-236C.0	AE105H
TITLE		PLL PCB	
CHECK BY		APPRO BY	
PARTS ASS'Y TOP VIEW CHIP		DRAWING NO.	
77.8.21		77.8.21	
E23-14956			



C701	0.0033/Y C-161
C702	0.033/F
C703	0.001/Y C-161
C704	1.5P/UK
C705	0.001/B
C706	33P/CH
C707	0.001/B
C708	0.001/Y C-161
C709	0.022/B
C712	0.0033/Y C-161
C713	0.001/Y C-161
C716	18P/CH C-161
C717	39P/CH
C718	10P/SL
C719	10P/SL

D701	15V201-4
D702	RLS135
D703	RLS135
D704	15V201-4
D705	RLS135
D708	15S184

R701	100
R702	33K
R703	330
R705	560
R706	4.7K
R707	10K
R708	4.7K
R709	12K
R711	100
R712	1.8K
R713	100
R714	10K
R715	100K
R716	10K
R717	100K
R718	100
R719	330
R722	33K
R723	15K
R724	2.7K
R725	10K
R726	220K
R727	22K
R728	18K

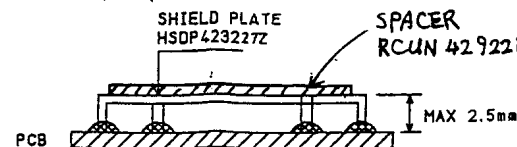
R729	15K
R731	18K
R732	2.2M
R733	100

J701	JK-632 (5P)
J702	JK-632 (3P)
J703	JK-632 (3P)
J704	JK-632 (3P)

Q701	25C3121
Q702	25C4246 - TSL
Q703	25C4246 - TSL
Q704	25A1162Y
Q706	25C3121
Q707	25C3121TSL
Q708	25A1162Y
Q709	25C3121TSL

—SOLDERING

1.7



2.1 SPRAY THE SURFACE OF THE BOTTOM SIDE OF THE PLL PCB WITH THE ELECTRICAL PROTECTOR. (#2901 THREE-BOND)

#### NOTES:

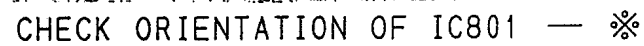
1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED. (K-KILO OHM, M-MEG OHM)
2. RESISTOR WATTAGES ARE 1/10W UNLESS OTHERWISE NOTED.
3. CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS UNLESS OTHERWISE NOTED. (P=MICRO-MICRO FARAD)

DESIGN	DRAWN BY	UNIDEN NO.	MODEL NO.
97.8.21	97.8.21	UB-238C, D	AE105H
T. A. K.		TITLE	PLL PCB
CHECK BY		APPRO BY	PARTS ASS'Y BOTTOM VIEW
97.8.21		DRAWING NO.	E23-14957
REV. NO.		UNIDEN PHILS. INC.	

97. P. 2  
T. A. K.



B801

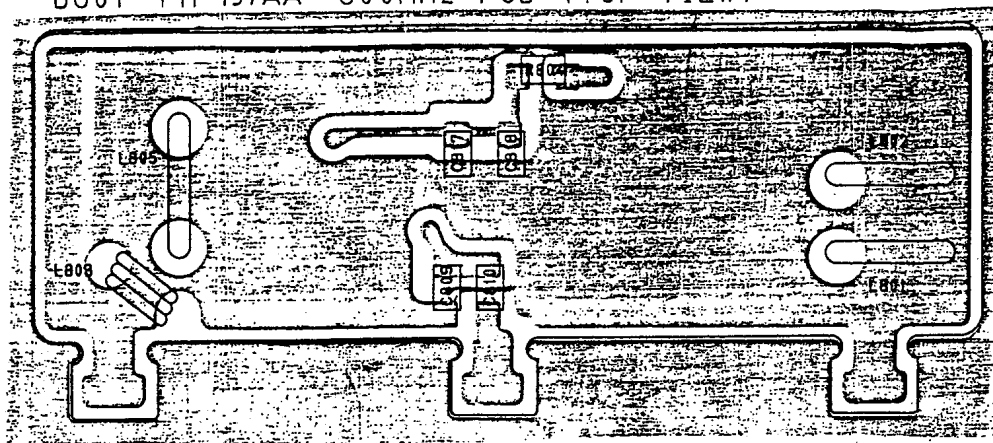


IC801	UPC1675G-T1

1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED.
2. RESISTOR WATTAGES ARE 1/10W UNLESS OTHERWISE NOTED.
3. CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS UNLESS OTHERWISE NOTED.  
(P=MICRO-MICRO FARAD)

DESIGN	DRAWN BY	UNIDEN NO.	MODEL NO.
92R.21	97.8.21	UB-23820	AE105H
<i>Long</i>	<i>T. A. King</i>	TITLE 800MHz PCB	
CHECK BY	APPROV BY	PARTS ASSY BOT VIEW	
<i>As 2177</i>	<i>As 2177</i>	DRAWING NO.	
<i>2177</i>	<i>2177</i>	E23-14959	
REV. NO.	UNIDEN PHILS. INC.		

B801 PH-197AA 800MHz PCB (TOP VIEW)

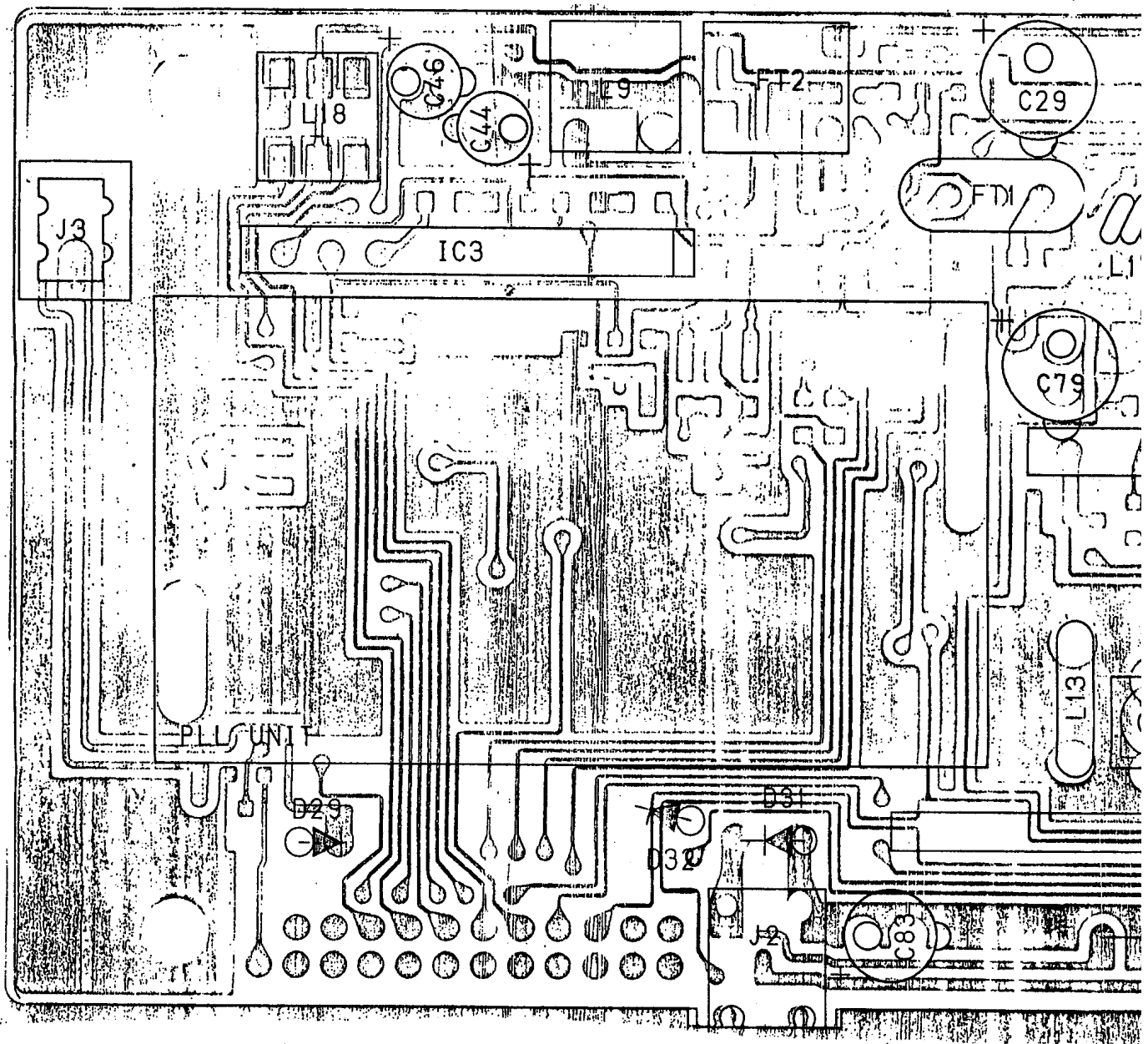
[illegible]

**NOTES:**

- NOTES:
1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED.
  2. RESISTOR WATTAGES ARE 1/10W UNLESS OTHERWISE NOTED.
  3. CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS UNLESS OTHERWISE NOTED.  
(P=MICRO-MICRO FARAD)

DESIGN	DRAWN BY	UNIDEN NO.	MODEL NO.
92.8.24	97.8.24	UB-238C5	AE105P1
LONG	P. H. H.	TITLE	800MHZ PCB
CHECK BY	APPRO BY	PARTS ASS'Y TOP VIEW	
92.8.24	97.8.24	DRAWING NO.	E23-14958
REV. NO.	UNIDEN PHILS. INC.		

PH-173AC 1/2 (TOP VIEW)



TERMINAL ANT.

CHASSIS

SOLDERING

TP1

J501

R78

C27

C28

C29

C44

C46

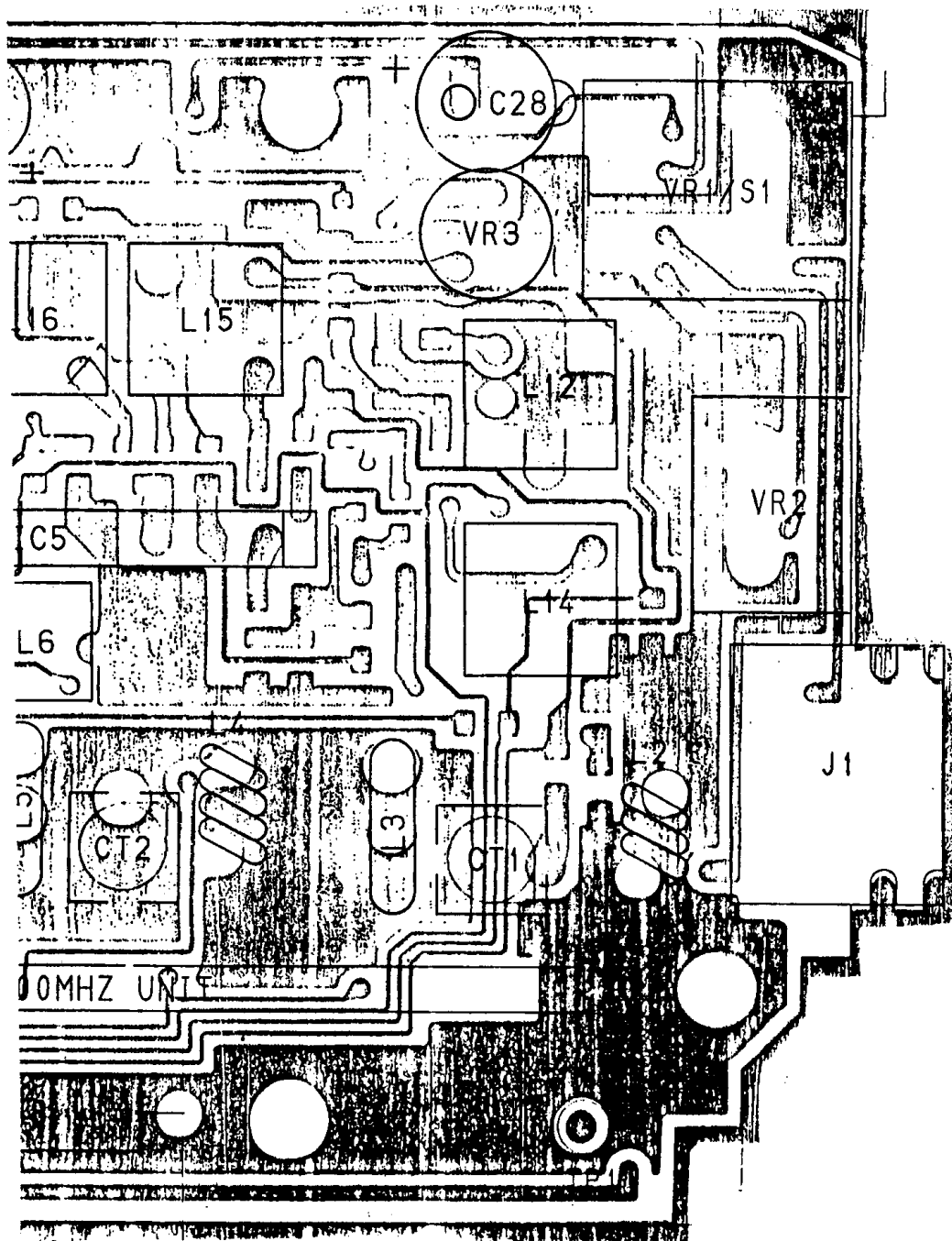
C79

C83

CT1

CT2

CT3

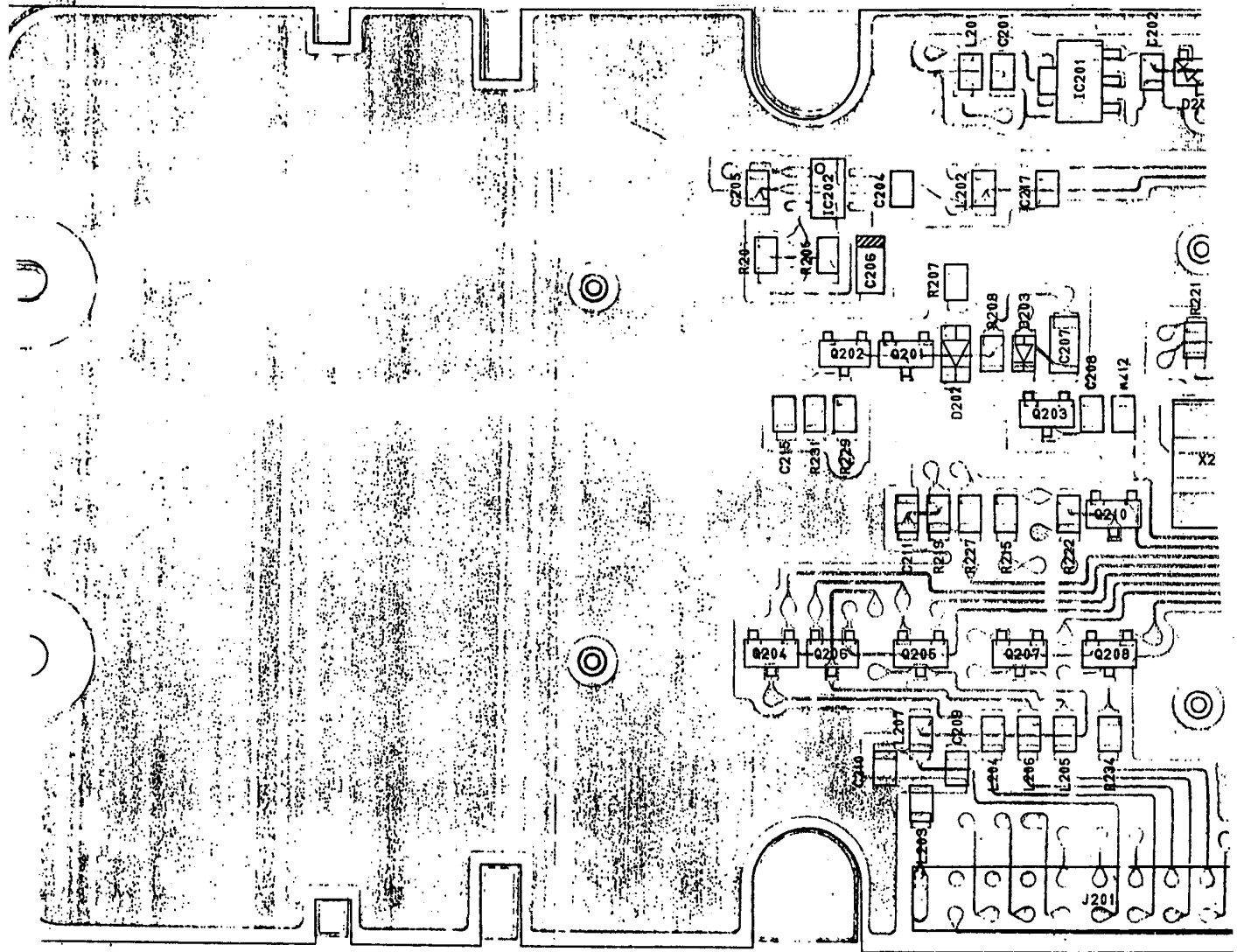


	D29	1N4003	IC3	LA1600A	FT1	FL-17
	D31	1N4003	IC5	LA1186N	FT2	FL-20C
	D32	1N4003				
30	L2	LE-127 2 1/2T	J1	JK-789		
30	L3	LE-366 1/2T	J2	JK-285		
30	L4	LE-201 3 1/2T	J3	JK-571 2P		
25	L5	LE-353 1/2T				
25	L6	LF-207				
10	L9	LB-233				
30	L12	LB-659			TP1	TP-117
	L13	LE-293 1/2T	VR1	RV-744 100KA		
	L14	LB-569	VR2	RV-717 100KA		
	L15	LB-658	VR3	RT-571 100KB		
	L16	LC-209				
	L17	LE-127 2 1/2T				
	L18	LF-106				

# NOTES:

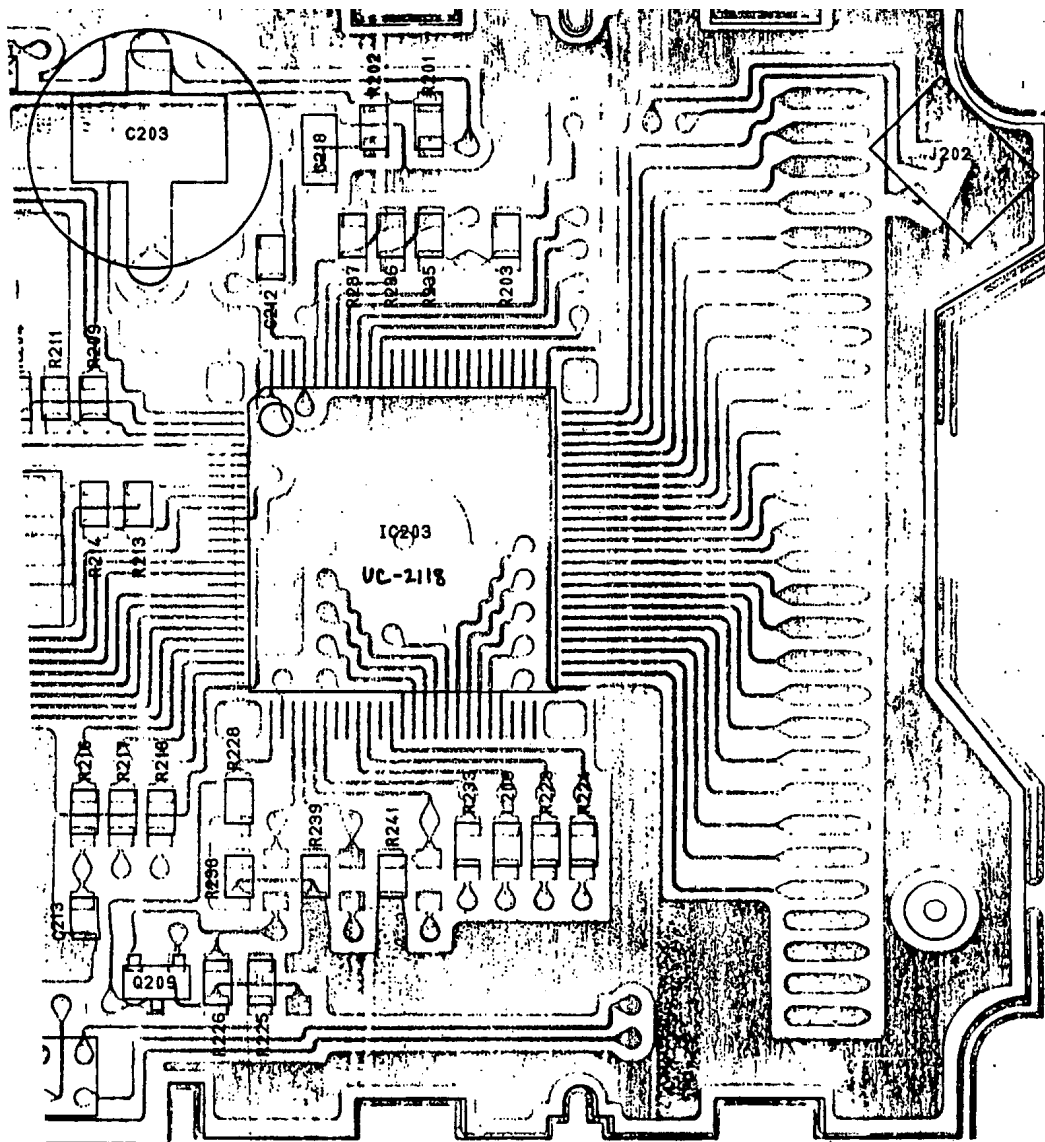
1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED.
2. RESISTOR RATINGS ARE 1/10W UNLESS OTHERWISE NOTED.
3. CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS UNLESS OTHERWISE NOTED. (P=PICTO-MICRO FARAD)
4. ALL CAPACITORS TEMPERATURE CHARACTERISTICS ARE SL (LESS THAN 1000PF) UNLESS OTHERWISE NOTED.

DESIGN	DRAWN BY	UNIDEN NO.	MODEL NO.
77.8.21	77.8.21	UB-238C/D	AE105H
CHECK BY	APPRO. BY	TITLE MAIN PCB	
		PARTS ASS'Y TOP VIEW	
Aug 26 97	Aug 22 97	DRAWING NO.	
		E 22 - 14950	
REV. NO.		UNIDEN PHILS. INC.	



R201	47
R202	10
R203	10K
R204	1K
R205	27K-F
R206	12K-F
R207	1K
R208	10K
R209	22K-F
R211	10K-F
R212	100K
R213	1M
R214	5.6K
R215	180
R216	1K
R217	1K
R218	1K
R219	1K
R221	1K
R222	180

R223	
R224	
R225	
R226	
R227	
R228	
R229	
R231	
R233	
R234	
R235	
R236	
R237	
R238	
R239	
R241	



3K
OK
K
K
K
OK
K
C
C
3K
3K
3K

C201	0.22/F
C202	0.22/F
C203	5.5V0.047 0.266
C204	0.22/F
C205	0.1/B
C206	7V10(1) C-24
C207	1/F 1/2 3/4
C208	0.047/B
C209	0.001/B
C210	0.1/B
C211	0.001/B
C212	0.001/B
C213	0.001/B
C215	0.001/B
C217	0.22/F
C218	1/F 1/2 3/4

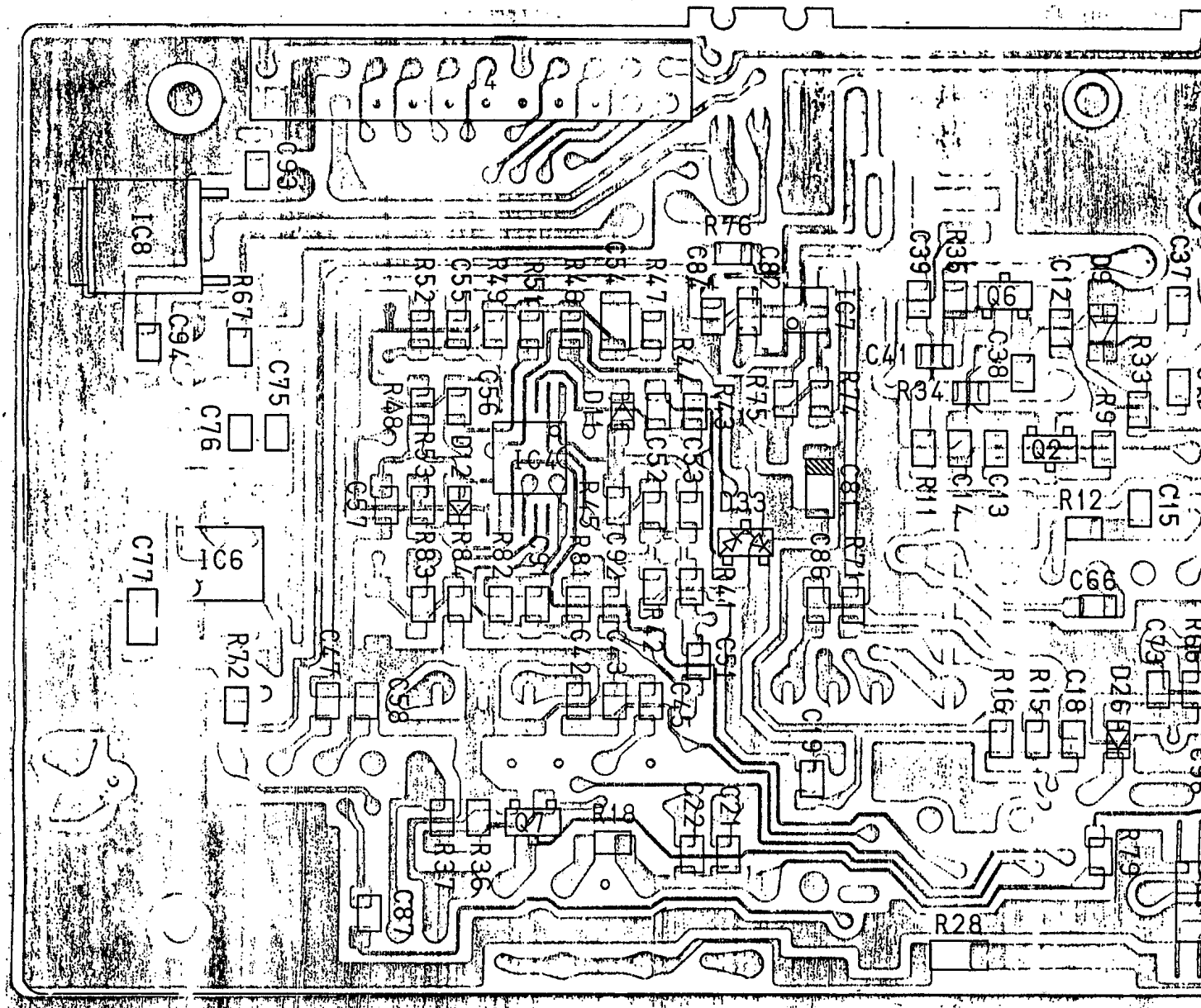
L201	LZ-087 1.8uH
L202	LZ-087 1.8uH
L203	LZ-080 4.7uH
L204	LZ-080 4.7uH
L205	LZ-080 4.7uH
L206	LZ-080 4.7uH
L207	LZ-080 4.7uH
L209	LZ-080 4.7uH
IC201	RH5RL 43AA
IC202	TK11900H
IC203	UC-2118
J201	PG-172 22P
J202	JK-797 2P

Q201	DTC114EK
Q202	DTA114YK
Q203	DTA114YK
Q204	DTA114YK
Q205	DTA114YK
Q206	DTA114YK
Q207	DTA114YK
Q208	DTA114YK
Q209	2SA1162Y
Q210	DTC114EK
D201	ISS366TB
D202	HZK2BLL TA
D203	ISS355
X201	FK-056
	2MHZ



B001

PH-173AC 1/2 BOT VIEW



R1	2.7K	R28	4.7 1/8W	R48	1M	R72	4.7	C1	0.001/B	C21	0.1/B
R2	560	R29	560	R49	220K	R74	27K-F	C2	0.001/B	C22	0.1/U
R3	560	R30	82K	R51	680K	R75	12K-F	C3	5P/CH	C26	0.01/B
R5	47K	R33	1K	R52	2.2M	R76	0	C5	3P/CJ	C30	0.0068/B
R6	39	R34	1K	R53	330K	R77	2.7K	C6	56P/CH	C31	1/F (3216)
R7	100	R35	390K	R55	560	R79	1K	C7	27P/CH	C32	27P/CH
R8	33K	R36	12K	R56	47K	R81	330K	C8	100P/CH	C33	0.001/B
R9	390K	R37	3.3K	R57	2.7K	R82	1M	C9	0.001/B	C36	0.01/B
R11	1K	R41	1.0K	R58	2.7K	R83	10K	C11	100P/CH	C37	2P/CK
R12	100	R42	1.5K	R61	1K	R84	5.6K	C12	1P/CK	C38	47P/CH
R13	1.2K	R43	10K	R63	3.3K	R85	8.2 1/4W	C13	33P/CH	C39	0.001/B
R15	100	R44	1K	R64	47K	R86	10 1/4W	C14	0.001/B	C41	8P/CH
R16	220	R45	390K	R66	100			C15	0.0033/B	C42	33P/CH
R17	15K	R46	100	R67	10K			C18	0.01/B	C43	330P/CH
R27	1	R47	4.7K	R71	10			C19	0.1/B	C45	0.047/B



